

## HRE / T200

CLEI: T1R6DTTD\_\_



### STATUS LEDs

<b>PWR</b>	○ OFF	No span power is present
	● GREEN	Span power is present
<b>NET LP1/NET LP2</b>	○ OFF	No sync with the HTU-C on NET LP1/LP2
	● GREEN	Sync with good signal quality
	● YELLOW	Sync with marginal signal quality
	● RED	Sync with poor signal quality
<b>CUST LP1/CUST LP2</b>	○ OFF	No sync with the HTU-R on CUST LP1/LP2
	● GREEN	Sync with good signal quality
	● YELLOW	Sync with marginal signal quality
	● RED	Sync with poor signal quality
<b>LL/RL</b>	● YELLOW	HRE network loopback is active
	● GREEN	HRE customer loopback is active

### LOOPBACK

- During a loopback toward the network all NET and CUST LP1/LP2 LEDs remain solid. LBK LED is solid yellow.
- During a loopback toward the customer all NET and CUST LP1/LP2 LEDs remain solid. LBK LED is GREEN. The DSI LED on the HTU-R flashes during this loopback.

### CARD EDGE PIN ASSIGNMENTS

1	Chassis Ground
5	HDSL Loop 1 Tip (Customer)
7	HDSL Loop 1 Tip (Network)
11	Chassis Ground
13	HDSL Loop 1 Ring (Network)
15	HDSL Loop 1 Ring (Customer)
17	-48 V Return (Ground)
27	Chassis Ground
41	HDSL Loop 2 Tip (Network)
47	HDSL Loop 2 Ring (Network)
49	HDSL Loop 2 Ring (Customer)
55	HDSL Loop 2 Tip (Customer)

### WIRING DIAGRAM FOR HDSL TECHNOLOGY

CP1	Circuit Pack /Pin #	Cable / Wire	Color For Housing	HDSL / HRE T400 / T200
	5-15	Blue	White	Customer, Loop 1
	7-13	Orange	Red	Network, Loop 1
	41-47	Orange	White	Network, Loop 2
	49-55	Green	Red	Customer, Loop 2
<b>CP2</b>				
	5-15	Green	White	Customer, Loop 1
	7-13	Brown	Red	Network, Loop 1
	41-47	Brown	White	Network, Loop 2
	49-55	Slate	Red	Customer, Loop 2
<b>CP3</b>				
	5-15	Blue	Red	Customer, Loop 1
	7-13	Blue	Black	Network, Loop 1
	41-47	Orange	Black	Network, Loop 2
	49-55	Blue	Yellow	Customer, Loop 2
<b>CP4</b>				
	5-15	Green	Black	Customer, Loop 1
	7-13	Yellow	Orange	Network, Loop 1
	41-47	Brown	Black	Network, Loop 2
	49-55	Slate	Black	Customer, Loop 2
	Order Wires	Slate	White	
	Spare Pair	Green	Yellow	

*Note: Wiring information is for housing 1150043L1, L2 (L1- aircore cable, L2- gel-filled core cable).*

### ADTRAN T200/T400 REPEATER HOUSINGS

Part #	Description	HRE Capacity	CLEI CODE*	Material
1150090L1	24-slot Pad Mount Gel Stub	24	T1MJ4U0MRA	Aluminum
1150090L2	24-slot Pole Mount Gel Stub	24	T1MJ5U0MRA	Aluminum
1150043L1	4-slot Air Stub	4	DDM0AD01MA	Stainless Steel Dome
1150043L2	4-slot Gel Stub	4	DDM0BD01MA	Stainless Steel Dome

## INSERTING THE TAC

For test access using the TAC, insert the TAC into the repeater housing as follows.

Hold card with the index finger through the finger hole viewing the edge of the card so that SW1 is facing to the right. The edge of the card being viewed corresponds to the faceplate of the HRE. Insert card into the slot with the same orientation as the T200 HRE. Test Access Card (TAC), part number 1244065L1, or Test Access Module (TAM), part number 1245065L1, can be used for testing the slot.

## TESTING THE CO PAIRS

### LOOPBACK

1. To loopback the circuit put SW1 in the LOOPBACK position. This loops the circuit back to the CO and to the field.

### LOOPTHRU

2. To loopthru the CO pairs to the field pairs put SW1 in the LOOPTHRU position. This bridges the circuit pairs.

### SHORT

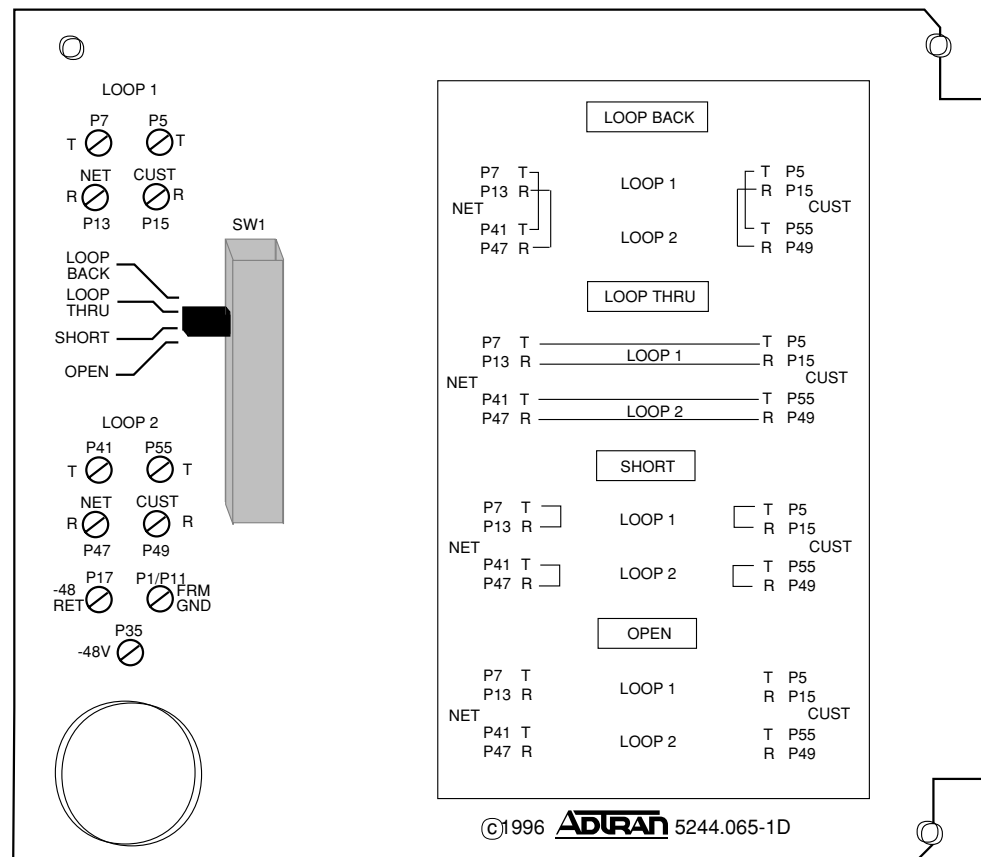
3. To short the CO pairs put SW1 in the SHORT position. This connects transmit to receive on each loop.

### OPEN

4. To open the circuit put SW1 in the OPEN position. This allows for a voltage measurement across pairs.

### AVAILABLE ACCESS

Label	Description
P7	LOOP1 Transmit towards NET
P13	LOOP 1 Receive towards CUST
P5	LOOP 1 Transmit towards CUST
P15	LOOP 1 Receive towards CUST
P41	LOOP 2 Transmit towards NET
P47	LOOP 2 Receive towards NET
P55	LOOP 2 Transmit towards CUST
P49	LOOP 2 Receive towards CUST
P17	-48RET
P1	Frame Ground
P11	Frame Ground
P35	-48 volts



## WARRANTY

Warranty for Carrier Networks products manufactured by ADTRAN and supplied under Buyer's order for use in the U.S. is ten (10) years. For a complete faxback copy of ADTRAN's *U.S. and Canada Carrier Networks Equipment Warranty*: (877) 457-5007, Document 414.

## COMPLIANCE

This product complies with UL 1950, third edition. It is intended for installation in restricted access locations only and in equipment with a Type "B" or "E" installation code. Ensure chassis ground is properly connected.

Code	Input	Output
Power Code (PC)	C	C
Telecommunication Code (TC)	X	X
Installation Code (IC)	A	-